

List of metabolites

Alkaloids	
Trigonelline	
Amine oxides	
Trimethylamine N-oxide (TMAO)	
Amino acids	
Alanine (Ala)	Leucine (Leu)
Arginine (Arg)	Lysine (Lys)
Asparagine (Asn)	Methionine (Met)
Aspartic acid (Asp)	Phenylalanine (Phe)
Cysteine (Cys)	Proline (Pro)
Glutamate (Glu)	Serine (Ser)
Glutamine (Gln)	Threonine (Thr)
Glycine (Gly)	Tryptophan (Trp)
Histidine (His)	Tyrosine (Tyr)
Isoleucine (Ile)	Valine (Val)
Amino acids-related	
α-Aminoadipic acid (alpha-AAA)	Ornithine (Orn)
cis-4-Hydroxyproline (c4-OH-Pro)	Carnosine
α-Aminobutyric acid (AABA)	Phenylacetylglutamine (PAG)
trans-4-Hydroxyproline (t4-OH-Pro)	Citrulline (Cit)
Acetylmethionine (Ac-Orn)	Phenylalanine betaine (PheAlaBetaine)
Kynurenine	Creatinine
Asymmetric dimethylarginine (ADMA)	Proline betaine (ProBetaine)
Methionine sulfoxide (Met-SO)	Cystine
Anserine	Sarcosine
1-Methylhistidine (1-Met-His)	Dihydroxyphenylalanine (DOPA)
5-Aminovaleric acid (5-AVA)	Symmetric dimethylarginine (SDMA)
3-Methylhistidine (3-Met-His)	Homoarginine (HArg)
β-Aminobutyric acid (BABA)	Taurine
Nitrotyrosine (Nitro-Tyr)	Homocysteine (Hcys)
Betaine	Tryptophan betaine (TrpBetaine)
Bile acids	
Cholic acid (CA)	Taurochenodeoxycholic acid (TCDCA)
Glycolithocholic acid sulfate (GLCAS)	Glycodeoxycholic acid (GDCA)
Chenodeoxycholic acid (CDCA)	Taurodeoxycholic acid (TDCA)
Glycoursodeoxycholic acid (GUDCA)	Glycochenodeoxycholic acid (GCDCA)
Deoxycholic acid (DCA)	Taurolithocholic acid (TLCA)
Taurocholic acid (TCA)	Glycolithocholic acid (GLCA)
Glycocholic acid (GCA)	Tauromurocholic acid (TMCA)

List of metabolites

Biogenic amines			
β-Alanine (beta-Ala)		Spermidine	
Putrescine		Histamine	
γ-Aminobutyric acid (GABA)		Spermine	
Serotonin		Phenylethylamine (PEA)	
Dopamine			
Carbohydrates and related			
Hexoses (including glucose)			
Carboxylic acids			
Aconitic acid (AconAcid)		Tetradecanedioic acid (DiCA(14:0))	
3-Hydroxyglutaric acid (OH-GlutAcid)		Succinic acid (Suc)	
Dodecanedioic acid (DiCA(12:0))		Hippuric acid (HipAcid)	
Lactic acid (Lac)			
Cresols			
p-Cresol sulfate (p-Cresol-SO4)			
Fatty acids – Free/non-covalently bound			
Lauric acid (FA 12:0)		Stearic acid (FA 18:0)	
Eicosenoic acid (FA 20:1)		Arachidonic acid (AA; ω6), (FA 20:4)	
Myristic acid (FA 14:0)		Octadecenoic acid (FA 18:1)	
Eicosadienoic acid (FA 20:2)		Eicosapentaenoic acid (EPA; ω3), (FA 20:5)	
Palmitic acid (FA 16:0)		Octadecadienoic acid (FA 18:2)	
Eicosatrienoic acid (FA 20:3)		Docosahexaenoic acid (DHA; ω3), (FA 22:6)	
Hormones and related			
Absciscic acid (AbsAcid)		Cortisol	
Cortisone		Dehydroepiandrosterone sulfate (DHEAS)	
Indoles and derivatives			
Indole		3-Indoleacetic acid (3-IAA)	
3-Indolepropionic acid (3-IPA)		Indoxyl sulfate (Ind-SO4)	
Nucleobases and related			
Hypoxanthine		Xanthine	
Vitamins and cofactors			
Choline			
Lysophosphatidylcholines			
LPC 14:0	LPC 24:0	LPC 20:3	LPC 18:1
LPC 17:0	LPC 16:0	LPC 26:0	LPC 20:4
LPC 18:2	LPC 18:0	LPC 16:1	LPC 26:1
Lysophosphatidic acids			
LPA 14:0	LPA 18:1	LPA 14:1	LPA 18:2
LPA 15:0	LPA 22:3	LPA 16:0	LPA 22:4

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Acylcarnitines			
Carnitine (C0)		Methylglutaryl carnitine (C5-M-DC)	
Decenoyl carnitine (C10:1)		Hexadecanoyl carnitine (C16)	
Acetyl carnitine (C2)		Hydroxyvaleryl carnitine (Methylmalonyl carnitine) (C5-OH (C3-DC-M))	
Decadienoyl carnitine (C10:2)		Hydroxyhexadecanoyl carnitine (C16-OH)	
Propionyl carnitine (C3)		Tiglyl carnitine (C5:1)	
Dodecanoyl carnitine (C12)		Hexadecenoyl carnitine (C16:1)	
Malonyl carnitine (Hydroxybutyryl carnitine) (C3-DC (C4-OH))		Glutaconyl carnitine (C5:1-DC)	
Dodecanedioyl carnitine (C12-DC)		Hydroxyhexadecenoyl carnitine (C16:1-OH)	
Hydroxypropionyl carnitine (C3-OH)		Hexanoyl carnitine (Fumaryl carnitine) (C6 (C4:1-DC))	
Dodecenoyl carnitine (C12:1)		Hexadecadienoyl carnitine (C16:2)	
Propenoyl carnitine (C3:1)		Hexenoyl carnitine (C6:1)	
Tetradecanoyl carnitine (C14)		Hydroxyhexadecadienoyl-carnitine (C16:2-OH)	
Butyryl carnitine (C4)		Pimeloyl carnitine (C7-DC)	
Tetradecenoyl carnitine (C14:1)		Octadecanoyl carnitine (C18)	
Butenyl carnitine (C4:1)		Octanoyl carnitine (C8)	
Hydroxytetradecenoyl carnitine (C14:1-OH)		Octadecenoyl carnitine (C18:1)	
Valeryl carnitine (C5)		Nonayl carnitine (C9)	
Tetradecadienoyl carnitine (C14:2)		Hydroxyoctadecenoyl carnitine (C18:1-OH)	
Glutaryl carnitine (Hydroxyhexanoyl carnitine) (C5-DC (C6-OH))		Decanoyl carnitine (C10)	
Hydroxytetradecadienoyl-carnitine (C14:2-OH)		Octadecadienyl carnitine (C18:2)	
Phosphatidic acids			
PA 14:0_14:1	PA 18:2_22:0	PA 18:1_22:1	PA 18:1_18:2
PA 17:0_18:3	PA 16:0_18:3	PA 18:2_22:4	PA 18:2_18:2
PA 18:1_20:0	PA 17:2_18:1	PA 16:1_18:2	PA 17:0_18:1
PA 18:2_20:1	PA 18:1_20:3	PA 18:0_18:3	PA 18:1_18:3
PA 16:0_18:1	PA 18:2_22:1	PA 18:1_22:2	PA 18:2_18:3
PA 17:1_18:1	PA 16:0_19:2	PA 18:3_18:3	PA 17:0_18:2
PA 18:1_20:1	PA 18:0_18:1	PA 16:1_22:0	PA 18:1_18:4
PA 18:2_20:2	PA 18:1_22:0	PA 18:1_18:1	PA 18:2_20:0
PA 16:0_18:2	PA 18:2_22:3	PA 18:1_22:3	PA 17:1_18:2
PA 16:1_18:1	PA 20:0_20:4	PA 18:1_20:2	PA 18:0_18:2
PA 16:2_18:1			

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Phosphatidylcholines			
PC 24:0	PC 32:0	PC 34:2	PC 36:2
PC 38:0	PC 38:6	PC 40:5	PC 42:4
PC O-30:0	PC O-34:0	PC O-36:1	PC O-38:0
PC O-38:5	PC O-40:4	PC O-42:2	PC O-44:4
PC 26:0	PC 32:1	PC 34:3	PC 36:3
PC 38:1	PC 40:1	PC 40:6	PC 42:5
PC O-30:1	PC O-34:1	PC O-36:2	PC O-38:1
PC O-38:6	PC O-40:5	PC O-42:3	PC O-44:5
PC 28:1	PC 32:2	PC 34:4	PC 36:4
PC 38:3	PC 40:2	PC 42:0	PC 42:6
Lysophosphatidylinositols			
PC O-30:2	PC O-34:2	PC O-36:3	PC O-38:2
PC O-40:1	PC O-40:6	PC O-42:4	PC O-44:6
PC 30:0	PC 32:3	PC 36:0	PC 36:5
PC 38:4	PC 40:3	PC 42:1	PC O-28:0
Lysophosphatidylethanolamines			
PC O-32:1	PC O-34:3	PC O-36:4	PC O-38:3
PC O-40:2	PC O-42:0	PC O-42:5	PC 36:6
PC 30:2	PC 34:1	PC 36:1	PC O-28:1
PC 38:5	PC 40:4	PC 42:2	PC O-38:4
PC O-32:2	PC O-36:0	PC O-36:5	PC O-40:3
PC O-42:1	PC O-44:3		
Lysophosphatidylethanolamines			
LPE 12:0	LPE P-20:1	LPE P-14:0	LPE 20:4
LPE 18:3	LPE 15:0	LPE P-22:0	LPE P-17:0
LPE 22:1	LPE 19:2	LPE 17:0	LPE P-22:5
LPE P-18:2	LPE 22:6	LPE 20:2	LPE 18:1
LPE 14:0	LPE P-20:4	LPE P-15:0	LPE 20:5
LPE 19:0	LPE 16:0	LPE P-22:1	LPE P-18:0
LPE 22:4	LPE 20:0	LPE 17:1	LPE P-22:6
LPE P-20:0	LPE 24:0	LPE 20:3	LPE 18:2
LPE 14:1	LPE P-20:5	LPE P-16:0	LPE 22:0
LPE 19:1	LPE 16:1	LPE P-22:4	LPE P-18:1
LPE 22:5	LPE 20:1	LPE 18:0	

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Phosphatidylethanolamines			
PE 20:0	PE 32:0	PE 34:0	PE 35:2
PE 36:4	PE 38:3	PE 40:3	PE 42:7
PE P-16:0/14:0	PE P-16:0/18:3	PE P-16:0/22:6	PE P-18:0/18:1
PE P-18:0/20:3	PE P-18:0/22:4	PE P-18:1/20:5	PE P-20:0/18:1
PE 28:0	PE 32:1	PE 34:1	PE 35:3
PE 36:5	PE 38:4	PE 40:4	PE 42:8
PE P-16:0/15:0	PE P-16:0/20:3	PE P-18:0/14:0	PE P-18:0/18:2
PE P-18:0/20:4	PE P-18:0/22:5	PE P-18:1/22:6	PE P-20:0/18:2
PE 28:1	PE 32:2	PE 34:2	PE 36:0
PE 36:6	PE 38:5	PE 40:5	PE 44:11
PE P-16:0/16:0	PE P-16:0/20:4	PE P-18:0/16:0	PE P-18:0/18:3
PE P-18:0/20:5	PE P-18:0/22:6	PE P-20:0/14:0	PE P-20:0/20:0
PE 30:0	PE 33:0	PE 34:3	PE 36:1
PE 38:0	PE 38:6	PE 40:6	PE 44:12
PE P-16:0/16:1	PE P-16:0/20:5	PE P-18:0/16:1	PE-P-18:0/19:1
PE P-18:0/22:1	PE P-18:1/18:1	PE P-20:0/16:0	PE P-20:0/20:4
PE 30:1	PE 33:1	PE 34:4	PE 36:2
PE 38:1	PE 38:7	PE 40:7	PE 44:6
PE P-16:0/18:1	PE P-16:0/22:4	PE P-18:0/17:1	PE P-18:0/20:1
PE P-18:0/22:2	PE P-18:1/18:2	PE P-20:0/16:1	PE P-20:0/20:5
PE 31:0	PE 33:2	PE 35:1	PE 36:3
PE 38:2	PE 40:1	PE 40:8	PE 44:7
PE P-16:0/18:2	PE P-16:0/22:5	PE P-18:0/18:0	PE P-18:0/20:2
PE P-18:0/22:3	PE P-18:1/20:4	PE P-20:0/17:1	
Lysophosphatidylglycerols			
LPG 14:0	LPG 20:1	LPG 18:1	LPG 18:2
LPG 16:1	LPG 14:1	LPG 16:0	LPG 18:0
LPG 17:0	LPG 17:1		
Phosphatidylglycerols			
PG 14:0_16:0	PG 16:0_18:1	PG 16:0_20:3	PG 16:0_22:2
PG 16:1_18:2	PG 16:2_18:2	PG 17:1_18:1	PG 18:0_22:1
PG 18:1_20:0	PG 18:1_20:4	PG 18:1_22:2	PG 18:2_18:2
PG 18:2_20:2	PG 18:2_22:0	PG 20:3_20:4	PG 20:4_22:4
PG 15:0_18:1	PG 16:0_18:2	PG 16:0_20:4	PG 16:1_16:1
PG 16:1_20:4	PG 16:3_18:1	PG 18:0_18:1	PG 18:1_18:1
PG 18:1_20:1	PG 18:1_20:5	PG 18:1_22:3	PG 18:2_18:3
PG 18:2_20:3	PG 18:2_22:1	PG 20:4_20:4	PG 22:4_22:6
PG 16:0_16:0	PG 16:0_18:3	PG 16:0_20:5	PG 16:1_18:0
PG 16:1_22:1	PG 17:0_18:1	PG 18:0_18:2	PG 18:1_18:2

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Phosphatidylglycerols			
PG 18:1_20:2	PG 18:1_22:0	PG 18:1_22:4	PG 18:2_18:4
PG 18:2_20:4	PG 18:2_22:3	PG 20:4_22:1	PG 22:5_22:6
PG 16:0_16:1	PG 16:0_19:1	PG 16:0_22:1	PG 16:1_18:1
PG 16:2_18:1	PG 17:0_18:2	PG 18:0_18:3	PG 18:1_18:3
PG 18:1_20:3	PG 18:1_22:1	PG 18:1_22:5	PG 18:2_20:0
PG 18:2_20:5	PG 18:2_22:4	PG 20:4_22:3	PG 22:6_22:6
Lysophosphatidylinositols			
LPI 14:0	LPI 14:1	LPI 15:0	LPI 16:0
LPI 16:1	LPI 17:0	LPI 17:1	LPI 18:0
LPI 18:1	LPI 18:2	LPI 18:3	LPI 19:0
LPI 20:1	LPI 20:4	LPI 22:0	LPI 22:1
Phosphatidylinositols			
PI 14:0_18:1	PI 18:1_18:3	PI 16:0_17:2	PI 18:1_22:0
PI 16:0_22:1	PI 18:2_18:3	PI 18:0_18:0	PI 18:2_22:6
PI 18:0_22:0	PI 16:0_16:0	PI 18:1_20:3	PI 16:0_20:0
PI 18:1_22:4	PI 17:0_18:1	PI 18:2_20:5	PI 18:0_20:0
PI 14:0_18:2	PI 18:1_20:0	PI 16:0_18:1	PI 18:1_22:1
PI 16:1_18:0	PI 18:2_20:0	PI 18:0_18:1	PI 16:0_20:3
PI 18:1_18:1	PI 16:0_17:0	PI 18:1_20:4	PI 18:0_20:3
PI 18:1_22:5	PI 17:1_18:1	PI 18:2_22:0	PI 18:1_22:2
PI 15:0_16:0	PI 18:1_20:1	PI 16:0_18:2	PI 16:0_20:4
PI 16:1_18:1	PI 18:2_20:1	PI 18:0_18:2	PI 18:0_20:4
PI 18:1_18:2	PI 16:0_17:1	PI 18:1_20:5	PI 18:1_22:3
PI 18:1_22:6	PI 17:1_18:2	PI 18:2_22:1	PI 15:1_16:0
PI 18:1_20:2	PI 16:0_18:3	PI 16:1_18:2	PI 18:2_20:4
PI 18:0_18:3			
Lysophosphatidylserines			
LPS 16:0	LPS 20:5	LPS 20:1	LPS 18:3
LPS 18:1	LPS 16:1	LPS 22:0	LPS 20:4
LPS 20:0	LPS 18:2	LPS 18:0	LPS 22:6
Phosphatidylserines			
PS 30:0	PS 36:3	PS 38:7	PS 36:1
PS 36:2	PS 38:6	PS 40:8	PS 38:4
PS 38:5	PS 40:7	PS 34:2	PS 40:5
PS 40:6	PS 34:1	PS 36:5	PS 32:0
PS 36:4	PS 40:4		

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Sphinganines and sphingosines			
SPB d14:0	SPB d17:0	SPB d14:1	SPB d17:1
SPB d16:0	SPB d18:0	SPB d16:1	SPB d18:1
Sphinganine and sphingosine phosphates			
SPBP d14:0	SPBP d17:0	SPBP d14:1	SPBP d17:1
SPBP d16:0	SPBP d18:0	SPBP d16:1	SPBP d18:1
Sphingomyelins			
SM 33:1	SM 34:1	SM 34:2	SM 35:1
SM 36:1	SM 36:2	SM 38:3	SM 40:46
SM 41:1	SM 41:2	SM 42:1	SM 42:2
SM 43:1	SM 44:1	SM 44:2	
Ceramides			
Cer d16:1/18:0	Cer d16:1/22:0	Cer d16:1/24:0	Cer d18:1/24:0
Cer d18:1/18:0	Cer d18:1/20:0-OH	Cer d18:1/22:0	Cer d18:2/18:1
Cer d18:1/25:0	Cer d18:1/26:17	Cer d18:2/16:0	Cer d18:1/18:0-OH
Cer d18:2/22:0	Cer d18:2/24:0	CerP d18:1/16:0	Cer d18:1/24:1
Cer d16:1/20:0	Cer d16:1/23:0	Cer d18:1/14:0	Cer d18:2/20:0
Cer d18:1/18:1	Cer d18:1/20:0	Cer d18:1/23:0	Cer d18:1/26:0
Cer d18:2/14:0	Cer d18:2/18:0	Cer d18:2/23:0	Cer d18:2/24:1
Cer d18:1/16:0			
Dihydroceramides			
Cer d18:0/18:0-OH	Cer d18:0/24:0	Cer d18:0/18:0	Cer d18:0/24:1
Cer d18:0/20:0	Cer d18:0/26:1-OH	Cer d18:0/22:0	Cer d18:0/26:1
Hexosylceramides			
Hex-Cer d16:1/20:08	Hex-Cer d18:1/18:1	Hex-Cer d18:1/26:0	Hex-Cer d18:2/23:0
Hex-Cer d18:1/18:0	Hex-Cer d18:1/24:1	Hex-Cer d18:2/22:0	Hex-Cer d18:1/16:0
Hex-Cer d18:1/24:0	Hex-Cer d18:2/20:0	Hex-Cer d18:1/14:0	Hex-Cer d18:1/23:0
Hex-Cer d18:2/18:0	Hex-Cer d16:1/24:0	Hex-Cer d18:1/22:0	Hex-Cer d18:2/16:0
Hex-Cer d16:1/22:0	Hex-Cer d18:1/20:0	Hex-Cer d18:1/26:1	Hex-Cer d18:2/24:0
Dihexosylceramides			
Hex2Cer d18:1/14:0	Hex2Cer d18:1/16:0	Hex2Cer d18:1/18:0	Hex2Cer d18:1/20:0
Hex2Cer d18:1/22:0	Hex2Cer d18:1/24:0	Hex2Cer d18:1/24:1	Hex2Cer d18:1/26:0
Hex2Cer d18:1/26:1			
Trihexosylceramides			
Hex3Cer d18:1/16:0	Hex3Cer d18:1/24:1	Hex3Cer d18:1/22:0	
Hex3Cer d18:1/20:0	Hex3Cer d18:1/18:0	Hex3Cer d18:1/26:1	

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Cholesteryl esters				
CE 14:0	CE 20:1	CE 15:1	CE 20:5	
CE 17:0	CE 22:2	CE 18:1	CE 16:1	
CE 20:0	CE 15:0	CE 20:4	CE 18:3	
CE 22:1	CE 18:0	CE 22:6	CE 22:0	
CE 14:1	CE 20:3	CE 16:0	CE 17:1	
CE 22:5	CE 18:2			
Monoglycerides				
MG 16:1	MG 22:2	MG 20:5	MG 20:3	
MG 18:3	MG 18:1	MG 22:4	MG 22:1	
MG 20:4	MG 20:1	MG 18:2	MG 22:6	
Diglycerides				
DG 14:0_14:0	DG 14:0_20:0	DG 16:0_16:0	DG 16:0_18:2	
DG 16:0_20:4	DG 16:1_18:2	DG 17:0_18:1	DG 18:1_18:1	
DG 18:1_18:4	DG 18:1_20:2	DG 18:1_22:5	DG 18:2_18:3	
DG 18:2_20:4	DG 21:0_22:6	DG O-16:0_18:17	DG 16:0_20:0	
DG 14:0_18:1	DG 14:1_18:1	DG 16:0_16:1	DG 18:1_18:2	
DG 16:1_18:0	DG 16:1_20:0	DG 18:0_20:0	DG 18:2_18:4	
DG 18:1_20:0	DG 18:1_20:3	DG 18:1_22:6	DG 16:0_20:3	
DG 18:3_18:3	DG 22:1_22:2	DG O-16:0_20:46	DG 18:1_18:3	
DG 14:0_18:2	DG 14:1_20:2	DG 16:0_18:1	DG 18:2_20:0	
DG 16:1_18:1	DG 17:0_17:1	DG 18:0_20:4	DG 18:1_20:1	
DG 18:1_20:4	DG 18:2_18:2	DG 18:3_20:2	DG O-14:0_18:2	
DG O-18:2_18:29				
Triglycerides				
TG 14:0_32:2	TG 14:0_34:0	TG 14:0_34:1	TG 14:0_34:2	TG 14:0_34:3
TG 14:0_35:1	TG 14:0_35:2	TG 14:0_36:1	TG 14:0_36:2	TG 14:0_36:3
TG 14:0_36:4	TG 14:0_38:4	TG 14:0_38:5	TG 14:0_39:36	TG 14:0_40:59
TG 16:0_28:1	TG 16:0_28:2	TG 16:0_30:2	TG 16:0_32:0	TG 16:0_32:1
TG 16:0_32:2	TG 16:0_32:3	TG 16:0_33:1	TG 16:0_33:2	TG 16:0_34:0
TG 16:0_34:1	TG 16:0_34:2	TG 16:0_34:3	TG 16:0_34:4	TG 16:0_35:1
TG 16:0_35:2	TG 16:0_35:3	TG 16:0_36:2	TG 16:0_36:3	TG 16:0_36:4
TG 16:0_36:5	TG 16:0_36:6	TG 16:0_37:3	TG 16:0_38:1	TG 16:0_38:2
TG 16:0_38:3	TG 16:0_38:4	TG 16:0_38:5	TG 16:0_38:6	TG 16:0_38:7
TG 16:0_40:6	TG 16:0_40:7	TG 16:0_40:8	TG 16:1_28:0	TG 16:1_30:1
TG 16:1_32:0	TG 16:1_32:1	TG 16:1_32:2	TG 16:1_33:1	TG 16:1_34:0
TG 16:1_34:1	TG 16:1_34:2	TG 16:1_34:3	TG 16:1_36:1	TG 16:1_36:2
TG 16:1_36:3	TG 16:1_36:4	TG 16:1_36:5	TG 16:1_38:3	TG 16:1_38:4
TG 16:1_38:5	TG 17:0_32:1	TG 17:0_34:1	TG 17:0_34:2	TG 17:0_34:3
TG 17:0_36:3	TG 17:0_36:4	TG 17:1_32:1	TG 17:1_34:1	TG 17:1_34:2

List of metabolites

Triglycerides				
TG 17:1_34:3	TG 17:1_36:3	TG 17:1_36:4	TG 17:1_36:5	TG 17:1_38:5
TG 17:1_38:6	TG 17:1_38:7	TG 17:2_34:2	TG 17:2_34:3	TG 17:2_36:2
TG 17:2_36:3	TG 17:2_36:4	TG 17:2_38:5	TG 17:2_38:6	TG 17:2_38:7
TG 18:0_30:0	TG 18:0_30:1	TG 18:0_32:0	TG 18:0_32:1	TG 18:0_32:2
TG 18:0_34:2	TG 18:0_34:3	TG 18:0_36:1	TG 18:0_36:2	TG 18:0_36:3
TG 18:0_36:4	TG 18:0_36:5	TG 18:0_38:6	TG 18:0_38:7	TG 18:1_26:0
TG 18:1_28:1	TG 18:1_30:0	TG 18:1_30:1	TG 18:1_30:2	TG 18:1_31:0
TG 18:1_32:0	TG 18:1_32:1	TG 18:1_32:2	TG 18:1_32:3	TG 18:1_33:0
TG 18:1_33:1	TG 18:1_33:2	TG 18:1_33:3	TG 18:1_34:1	TG 18:1_34:2
TG 18:1_34:3	TG 18:1_34:4	TG 18:1_35:2	TG 18:1_35:3	TG 18:1_36:0
TG 18:1_36:1	TG 18:1_36:2	TG 18:1_36:3	TG 18:1_36:4	TG 18:1_36:5
TG 18:1_36:6	TG 18:1_38:5	TG 18:1_38:6	TG 18:1_38:7	TG 18:2_28:0
TG 18:2_30:0	TG 18:2_30:1	TG 18:2_31:0	TG 18:2_32:0	TG 18:2_32:1
TG 18:2_32:2	TG 18:2_33:0	TG 18:2_33:1	TG 18:2_33:2	TG 18:2_34:0
TG 18:2_34:1	TG 18:2_34:2	TG 18:2_34:3	TG 18:2_34:4	TG 18:2_35:1
TG 18:2_35:2	TG 18:2_35:3	TG 18:2_36:0	TG 18:2_36:1	TG 18:2_36:2
TG 18:2_36:3	TG 18:2_36:4	TG 18:2_36:5	TG 18:2_38:4	TG 18:2_38:5
TG 18:2_38:6	TG 18:3_30:0	TG 18:3_32:0	TG 18:3_32:1	TG 18:3_33:2
TG 18:3_34:0	TG 18:3_34:1	TG 18:3_34:2	TG 18:3_34:3	TG 18:3_35:2
TG 18:3_36:1	TG 18:3_36:2	TG 18:3_36:3	TG 18:3_36:4	TG 18:3_38:5
TG 18:3_38:6	TG 20:0_32:3	TG 20:0_32:4	TG 20:0_34:1	TG 20:1_24:3
TG 20:1_26:1	TG 20:1_30:1	TG 20:1_31:06	TG 20:1_32:09	TG 20:1_32:1
TG 20:1_32:2	TG 20:1_32:3	TG 20:1_34:0	TG 20:1_34:1	TG 20:1_34:2
TG 20:1_34:3	TG 20:2_32:0	TG 20:2_32:1	TG 20:2_34:1	TG 20:2_34:2
TG 20:2_34:3	TG 20:2_34:4	TG 20:2_36:5	TG 20:3_32:0	TG 20:3_32:1
TG 20:3_32:2	TG 20:3_34:0	TG 20:3_34:1	TG 20:3_34:2	TG 20:3_34:3
TG 20:3_36:3	TG 20:3_36:4	TG 20:3_36:5	TG 20:4_30:0	TG 20:4_32:0
TG 20:4_32:1	TG 20:4_32:2	TG 20:4_33:2	TG 20:4_34:0	TG 20:4_34:1
TG 20:4_34:2	TG 20:4_34:3	TG 20:4_35:3	TG 20:4_36:2	TG 20:4_36:3
TG 20:4_36:4	TG 20:4_36:5	TG 20:5_34:0	TG 20:5_34:1	TG 20:5_34:2
TG 20:5_36:2	TG 20:5_36:3	TG 22:0_32:4	TG 22:1_32:5	TG 22:2_32:4
TG 22:3_30:2	TG 22:4_32:0	TG 22:4_32:2	TG 22:4_34:2	TG 22:5_32:0
TG 22:5_32:1	TG 22:5_34:1	TG 22:5_34:2	TG 22:5_34:3	TG 22:6_32:0
TG 22:6_32:1	TG 22:6_34:1	TG 22:6_34:2	TG 22:6_34:3	